PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT05001	FOR FURTHER ACTION	See Form PCT/IPEA/416					
International application No.	International filing date (day/month/year	Priority date (day/month/year)					
PCT/JP2005/002642	18.02.2005	19.02.2004					
International Patent Classification (IPC) or nati	onal classification and IPC						
G01N27/416(2006.01),	G01N27/416(2006.01), G01N27/30(2006.01), G01N27/406(2006.01)						
Applicant NIIGATA TLO CORPORATION							
This report is the international preli- under Article 35 and transmitted to the		y this International Preliminary Examining Authority					
2. This REPORT consists of a total of	4 sheets, in	cluding this cover sheet.					
3. This report is also accompanied by A	NNEXES, comprising:						
a. (sent to the applicant and	to the International Bureau) a total of	sheets, as follows:					
sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative							
Instructions).	ada andiar chasts but which this Authori	ty considers contain an amondment that goes havend					
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.							
b. (sent to the International	Bureau only) a total of (indicate type and	number of electronic carrier(s))					
	, , , , , , , , , , , , , , , , , , ,						
-	•	, containing a sequence listing and/or tables Supplemental Box Relating to Sequence Listing (see					
Section 802 of the Administ	<u> </u>						
4. This report contains indications relati	ng to the following items:						
Box No. I Basis of the	report						
Box No. II Priority	Box No. II Priority						
Box No. III Non-establi	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. IV Lack of unity of invention							
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain doc	Box No. VI Certain documents cited						
Box No. VII Certain defe	Box No. VII Certain defects in the international application						
Box No. VIII Certain obs	Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of completio	n of this report					
Name and mailing address of the IPEA/JP	Authorized officer	Authorized officer					
Facsimile No.	Telephone No.						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2005/002642

Box No.	I B	Basis of the report			
	th regard to licated under	the language, this report is based on the internation r this item.	al application in the language in whi	ch it was filed, unless otherwise	
		s report is based on translations from the original language into the following language ch is the language of a translation furnished for the purposes of:			
	inte	ernational search (Rule 12.3 and 23.1(b))			
	pub	blication of the international application (Rule 12.4)			
	inte	ernational preliminary examination (Rule 55.2 and/o	or 55.3)		
rec		the elements of the international application, this is the in response to an invitation under Article 14 are			
\boxtimes	the intern	national application as originally filed/furnished			
	the descri	ription:			
	pages .			as originally filed/furnished	
	pages*		received by this Authority on		
	pages*		received by this Authority on		
	the claim	ns:			
	nos.			as originally filed/furnished	
	nos.*		as amended (together wi	ith any statement) under Article 19	
	nos.*		received by this Authority on		
	nos.*		received by this Authority on		
	the drawi	ings:			
	sheets			as originally filed/furnished	
	sheets*		received by this Authority on		
	sheets*		received by this Authority on		
	a sequenc	ce listing and/or any related table(s) – see Suppleme	ntal Box Relating to Sequence Listin	ng.	
3.	The amer	endments have resulted in the cancellation of:			
. <u> </u>		e description, pages			
		the claims, nos the drawings, sheets/figs			
		y table(s) related to sequence listing (specify):			
4.	This repo	ort has been established as if (some of) the amenda e been considered to go beyond the disclosure as file	nents annexed to this report and list	ed below had not been made, since	
	the	e description, pages			
		e claims, nos.			
		e drawings, sheets/figs			
		e sequence listing (specify):			
	any	y table(s) related to sequence listing (specify):			
* If i	tem 4 applie	es, some or all of those sheets may be marked "supe	rseded."		

International application No.
PCT/JP2005/002642

Вох	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1.	Statement			
	Novelty (N)	Claims	1-20	YES
		Claims		_ NO
	Inventive step (IS)	Claims	1-20	_ YES
		Claims		_ NO
	Industrial applicability (IA)	Claims	1-20	YES
		Claims		_ NO

2. Citations and explanations (Rule 70.7)

- Document 1: JP 2003-270200 A (Sony Corp.), 25 September 2003, paragraphs [0026] to [0029] and fig. 1 (Family: none)
- Document 2: JP 63-274857 A (UOB Inc.), 11 November 1988, page 4, upper right column, line 10 to lower right column, line 15 and page 5, lower right column, line 7 to page 6, lower right column, line 8 & US 004661211 A1 column 3, lines 15 to 64 and column 5, line 34 to column 6, line 49

Document 1 and document 2 cited in the international search report define the state of the art of the technical field in question at the time the present application was filed, and disclose configurations wherein one electrode is a hydrogen electrode that was formed at the standard gas pressure of hydrogen, the other electrode is a detection electrode for examining the hydrogen gas that is detected, and the concentration of the detected hydrogen gas is determined from the difference between the electric potentials of these electrodes. On the other hand, the documents in question do not disclose or suggest the configuration

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2005/002642

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
wherein the two electrodes that constitute a hydrogen gas
sensor are formed from materials that have different
chemical potentials relative to hydrogen gas.